

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

CLIMBING ROSE PLANT NAMED

'POULyc005'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrida*

VARIETY DENOMINATION

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'POULyc005'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between a female parent 'POULsint', an  
10 unpatented variety, and the male parent, an unnamed plant. The two parents were crossed during the summer of 1994, and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is named 'POULyc005'.

15 The new variety may be distinguished from its female parent, 'POULsint', by the following combination of characteristics:

1. The pollen parent has very small flower size, less than 5 cm while 'POULcy005' has  
20 a flower size of 25-40 mm when open.
2. The pollen parent has narrow and bushy growth habit while 'POULyc005' has a broader climbing growth habit.

The new variety may be distinguished from its male  
25 parent, an unnamed plant, by the following combination of characteristics:

1. The male parent flower petal color, open flower, upper surface is White Group 155D. 'POULyc005' flower petal color, open flower, upper surface is Orange Group 27C with intonations of White Group 155B at basal zone.
2. The seed parent has a wild rose scent; however, 'POULyc005' has a light floral scent.

10           The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant light pink flowers;
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
3. Disease resistance.
4. Improved flowering habit. Since the variety is less apically dominant, flowers are produced evenly from the lower branches to the top.

20           This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventor, and distinguish 'POULyc005' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter 1994 and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'POULyc005' was selected in the spring 1995 by the inventors as a single plant from the progeny of the aforementioned hybridization.

Asexual reproduction of 'POULyc005' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1995. This initial and other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'POULyc005' are true to type and are transmitted from one generation to the next.

#### **BRIEF DESCRIPTION OF THE DRAWING**

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULyc005'. Specifically illustrated in THE DRAWING:

Fig 1.1; Open flower and stem showing open

flowers, the attachment of buds, and  
peduncles;

Fig 1.2; Flower buds closed and partially  
open.

5 Fig 1.3; Flower petals, detached;

Fig 1.4; Sepals, receptacle, and pedicel;

Fig 1.5; Mature leaf and juvenile leaf;

Fig 1.6; Bare stem with thorns.

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#### DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'POULyc005', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age.  
Color references are made using the Royal Horticultural  
15 Society (London, England) Colour Chart, 1995, except where  
common terms of color are used.

For a comparison, several physical characteristics  
of the rose variety 'POULover', a rose variety from the  
same inventors described and illustrated in U.S. Plant  
20 Patent Application No. 10/341,890 and dated 13 January  
2003, are compared to 'POULyc005' in Chart 1.

CHART 1

	'POULyc005'	'POULover'
25 Bud color as sepals unfold	Petals are Orange Group 27A; at ¼ opening, petals are Red Group 36A.	Petals are Red Group 55C; at ¼ opening, petals are Red Group 55C.

Receptacle Color	Green Group 143C.	Yellow-Green Group 144A.
5 Outermost Petals upon opening, outer side	Red Group 36B at petals margins. White Group 155B at basal zone.	Red-Purple Group 65A at petal margins. Red-Purple 65D at mid petal.

**Parents:**

Seed Parent: POULsint.

Pollen Parent: Un-named Plant.

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**FLOWER AND FLOWER BUD**

**Blooming habit:** Continuous.

**Flower bud:**

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Size: Upon opening, 18 mm in length from base of receptacle to end of bud.

Bud form: Short and pointed ovoid.

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Bud color: As sepals unfold, petals are Orange Group 27A. Red Group 36A at ¼ opening.

Sepals:

Upper Surface:

Color: Green Group 137B.

25

Texture: Moderately Pubescent.

Lower Surface:



the plant of approximately 7 to 10 days.

Size: Average flower diameter is 25-40 mm when open.

5 Form: Spray. Individual flowers are rosettes with strong petal overlap.

Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

10 Upon opening, lower part: Concave.

Open flower, upper part: Flattened convex.

Open flower, lower part: Concave.

Petalage: Double. Average range: 30-35 petals

15 under normal conditions with 8 petaloids.

**Color:**

Upon opening, petals:

20 Outermost petals:

Outer side: Red Group 36B with intonations of White Group 155B at basal zone.

Inner Side: Red Group 36B with

25 intonations of White Group

	Innermost petals:	
5	Outer side:	Orange Group 29D to Red Group 36D with intonations of White Group 155B at basal zone.
	Inner Side:	Orange Group 29D to Red Group 36D with intonations of White Group 155B at basal zone.
10		

	Outermost petals:	
	Outer side:	None.
	Inner side:	None.
15	Innermost petals:	
	Outer side:	Yellow Group 11C to 11D.
	Inner Side:	Yellow Group 11C to 11D.

	Outermost petals:	
20	Outer side:	Orange Group 27C with White Group 155B at basal zone.
	Inner Side:	Orange Group 27C with White Group 155B at basal zone.
25		

Innermost petals:

Outer side: Orange Group 27C with  
White Group 155B at basal  
zone.

5 Inner Side: Orange Group 27C with  
White Group 155B at basal  
zone.

10 After opening, basal petal spots: No distinctive  
coloration at  
petal base  
observed.

15 **General Tonality:** On open flower Orange Group 29C  
to 29D. No change in the  
general tonality at the end of  
the 10<sup>th</sup> day.

Petals:

Petal Reflex: Petals reflex very slightly.

Margin: Entire with point in center of  
margin.

20 Shape: Apex: Round.  
Base: Varying from acute to  
rounded.

Size: 16 - 19 mm (l) x 13 - 21 mm (w).

Texture: Smooth.

25 Thickness: Thin.

Arrangement: Not Formal.

Petaloids:

Quantity: 6-8.

Color:

5

Upper Surface:

Orange Group 27C.

Lower surface:

Orange Group 27C.

10

**Reproductive Organs:**

Pistils:

Length: 4 mm long.

Quantity: 38 (actual count).

Pollen: None observed.

15

Anthers:

Color: Yellow-Orange Group 18B  
with margins Yellow-Orange  
Group 16A.

Quantity: 57 (actual count).

20

Filaments:

Color: Yellow Group 8C.

Length: 4-5 mm.

Stigmas: Slightly inferior in location  
to anthers.

25

Color: Yellow-Green Group 150D.

Styles:

Color: Yellow-Green Group 145C.

Other intonations: None.

Hips: None Observed in the field nursery in  
Jackson County Oregon.

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PLANT

**Plant growth:** Vigorous, very tall climbing habit of  
150-200 cm in height. Since plant is  
less apically dominant flowering  
occurs evenly from lower branches to  
the top.

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**Stems:**

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Color:

Young wood: Yellow-Green Group 144B.

Older wood: Yellow-Green Group 144B.

Surface Texture:

Young wood: Smooth.

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Older wood: Smooth.

Thorns:

Incidence: 10 thorns per 10 cm of  
stem.

Size: Average length: 4 mm.

25

Color: Greyed-Orange Group 174C

to Greyed-Red Group 181A.

Shape: Linear to concave.

Anthocyanin:

None observed.

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**Plant foliage:** Normal number of leaflets on  
normal leaves in middle of the  
stem: 7 leaflets.

Compound Leaf size: 15-18 mm (l) x 8-16 mm

10

(w).

Color:

Mature Foliage:

Upper Leaf Surface: Yellow-Green  
Group 146A.

15

Lower Leaf Surface: Yellow-Green  
Group 147C.

Juvenile foliage:

Upper Leaf Surface: Yellow-Green  
Group 146A.

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Lower Leaf Surface: Yellow-Green  
Group 147C.

Anthocyanin: None observed.

**Plant leaves and leaflets**

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Stipules:

	Size:	20-24 mm.
	Color:	Yellow-Green Group 144A.
5	Margins:	Finely serrated with moderate to few stipitate glands.
	<u>Petiole:</u>	
	Length:	25 to 30mm.
	Color:	Yellow-Green Group 144B with prickles underneath.
10	Anthocyanin:	None Observed.
	<u>Rachis:</u>	
	Color:	Yellow-Green Group 144B with prickles underneath.
	Anthocyanin:	None Observed.
15	Length:	20 mm.
	<u>Leaflet:</u>	
	Edge:	Finely serrated.
	Shape:	Generally ovate.
	Apex:	Cuspidate.
20	Base:	Rounded.
	Texture:	Smooth.
	Arrangement:	Odd pinnate.
	Venation:	Reticulate.
	Glossiness:	Moderately Glossy.
25	Size:	23 mm (l) x 18 mm (w).

**Disease resistance:**

Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

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**Cold Hardiness:**

The variety 'POULyc005' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.